Contents Volume 99, February 1988

ZDENĚK VAVŘÍN (Prague, Czechoslovakia)
Multiplication of Diagonal Transforms of Loewner Matrices 1

JULIO CESAR RUIZ CLAEYSSEN AND LIARA APARECIDA DOS SANTOS LEAL (Porto Alegre RS, Brasil)
Diagonalization and Spectral Decomposition of Factor Block Circulant Matrices 41

A. C. M. RAN AND R. VREUGDENHIL (Amsterdam, The Netherlands)
Existence and Comparison Theorems for Algebraic Riccati Equations for Continuous- and Discrete-Time Systems 63

ROBERT M. GURALNICK (Los Angeles, CA)
Similarity of Holomorphic Matrices 85

ALAN A. AHAC (Richmond, BC, Canada), JOHN J. BUONI (Youngstown, OH), AND D. D. OLESKY (Victoria, BC, Canada)
Stable *LU* Factorization of *H*-Matrices 97

STEPHEN BARNETT (West Yorkshire, Great Britain)
Euclidean Remainders for Generalized Polynomials 111

L. LERER AND M. TISMENETSKY (Haifa, Israel)
Generalized Bezoutian and Matrix Equations 123

DIPA CHOUDHURY AND ROGER A. HORN (Baltimore, MD) AND STEPHEN J. PIERCE (San Diego, CA)
Quasi-Positive Definite Operators and Matrices 161

YANG SHANGJUN (Hefei, Anhui, People's Republic of China) AND GEORGE P. BARKER (Kansas City, MO)
On the Exponent of a Primitive, Minimally Strong Digraph 177

LEROY B. BEASLEY (Logan, UT) AND NORMAN J. PULLMAN (Kingston, Ontario, Canada)
Operators that Preserve Semiring Matrix Functions 199

JAVAD FAGHIH HABIBI (New Concord, OH) AND WILLIAM H. GUSTAFSON (Lubbock, TX)
Reflexive Serial Algebras 217

T. N. T. GOODMAN (Dundee, Scotland) AND CHARLES A. MICCHELLI (Yorktown Heights, NY)
Corner Cutting Algorithms for the Bézier Representation of Free Form Curves 225

TOMAŽ KOŠIR (Ljubljana, Yugoslavia)
Common Jordan Chains of Matrices 253

ZDISLAV V. KOVARIK (Hamilton, Ontario, Canada) AND NAGWA SHERIF (Kuwait)
Geodesics and Near-Geodesics in the Manifolds of Projector Frames 259

AUTHOR INDEX 278

Special Issues in Progress

1. Proceedings of the Victoria Conference on Combinatorial Matrix Theory. Submission deadline: expired.

2. In honor of Alan J. Hoffman on his 65th birthday; special editors are Robert E. Bixby, Uriel G. Rothblum, and Alexander Schrijver. Submission deadline: December 31, 1987. Details in Volume 85, January 1987.

3. Proceedings of the Valencia Conference on Linear Algebra and Applications; special editors are Michael Neumann, Graciano de Oliveira, and Vincente Hernandez. Submission deadline: December 31, 1987.

4. Proceedings of the Fourth Haifa Matrix Conference; special editors are Abraham Berman, Daniel Hershkowitz, and Leonid Lerner. Submission deadline: April 30, 1988.

5. Linear Systems and Control; special editors are P. A. Fuhrmann, H. Kimura, and J. C. Willems. Submission deadline: May 31, 1988. Details in Volume 99, February 1988.

6. Linear Algebra and Statistics; special editors are Michael D. Perlman, Friedrich Pukelsheim, and George P. H. Styan. Submission deadline: September 30, 1988. Details in Volume 99, February 1988.

7. Linear Algebra in Image Reconstruction from Projections; special editors are Yair Censor, Tommy Elfving, and Gabor T. Herman. Submission deadline: November 30, 1988. Details in Volume 99, February 1988.